

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080522\
 Data File : VW027230.D
 Acq On : 05 Aug 2022 17:22
 Operator : SY/MD
 Sample : N4021-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 04:01:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 06 03:57:43 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

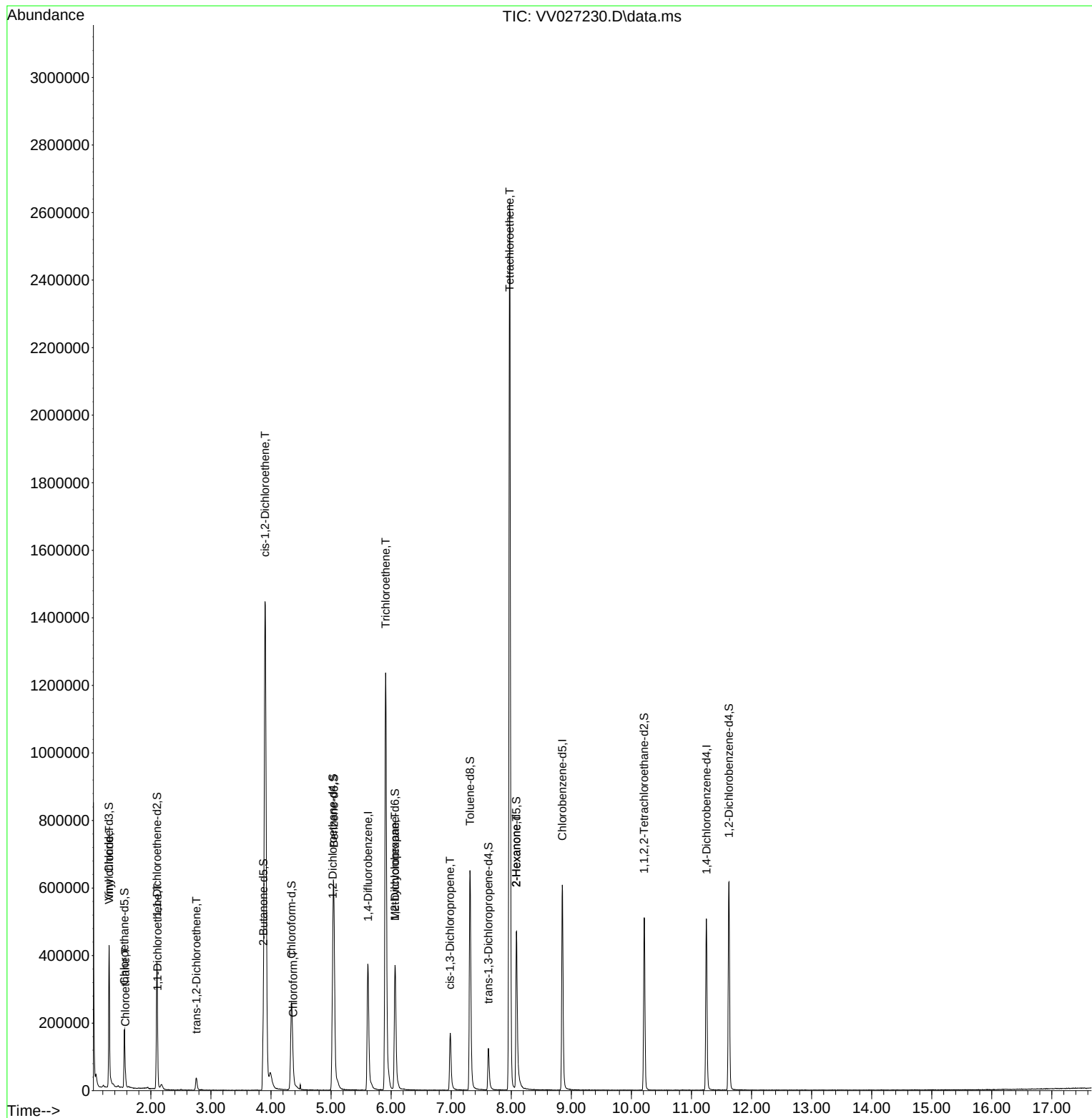
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	321346	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	321757	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	128067	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	153097	69.880	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 139.760%#		
7) Chloroethane-d5	1.561	69	114397	71.425	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 142.840%#		
11) 1,1-Dichloroethene-d2	2.101	63	198576	49.552	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 99.100%		
21) 2-Butanone-d5	3.873	46	211033	108.214	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 108.210%		
24) Chloroform-d	4.342	84	255377	56.905	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 113.820%		
26) 1,2-Dichloroethane-d4	5.027	65	180669	64.841	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 129.680%#		
32) Benzene-d6	5.047	84	542845	70.354	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 140.700%#		
36) 1,2-Dichloropropane-d6	6.066	67	183713	66.934	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 133.860%#		
41) Toluene-d8	7.313	98	436473	66.365	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 132.720%#		
43) trans-1,3-Dichloroprop...	7.619	79	72046	60.221	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 120.440%		
47) 2-Hexanone-d5	8.085	63	151358	114.496	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 114.500%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	245126	54.803	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 109.600%		
66) 1,2-Dichlorobenzene-d4	11.625	152	153117	69.234	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 138.460%#		
Target Compounds						
5) Vinyl chloride	1.307	62	156337	48.055	ug/L	99
8) Chloroethane	1.577	64	14784	8.157	ug/L	99
12) 1,1-Dichloroethene	2.114	96	7372	3.311	ug/L #	1
17) trans-1,2-Dichloroethene	2.757	96	12710	5.158	ug/L	90
20) cis-1,2-Dichloroethene	3.902	96	755372	295.108	ug/L	85
25) Chloroform	4.371	83	19465	3.894	ug/L	97
34) Trichloroethene	5.908	95	447901	169.179	ug/L	95
35) Methylcyclohexane	6.066	83	42560	10.932	ug/L #	22
39) cis-1,3-Dichloropropene	6.982	75	4511	1.176	ug/L #	66
46) Tetrachloroethene	7.972	164	560569	289.288	ug/L	98
48) 2-Hexanone	8.085	43	19958	6.064	ug/L #	68

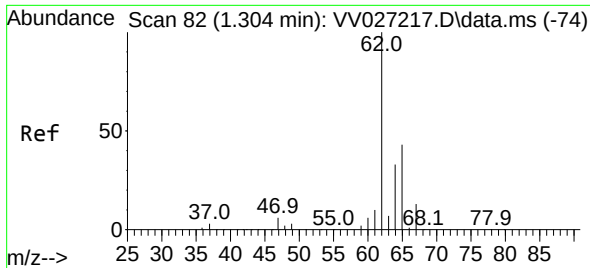
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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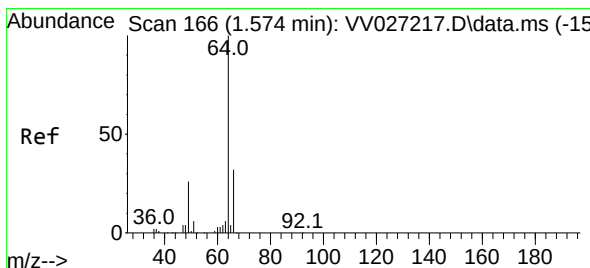
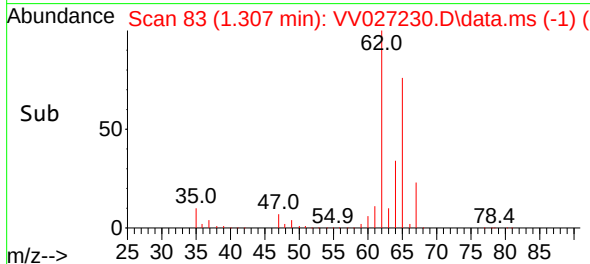
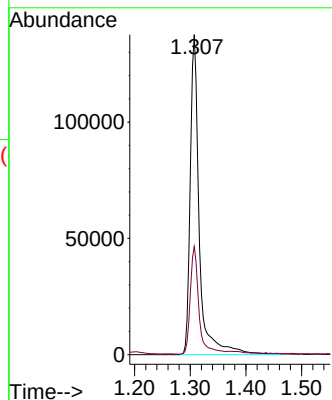
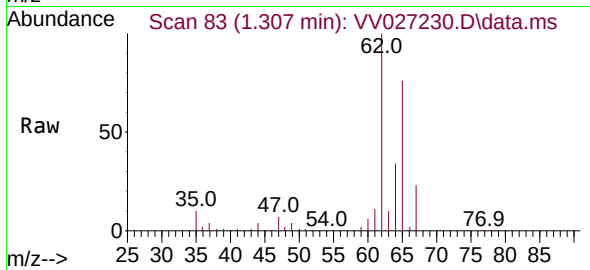




#5
 Vinyl chloride
 Concen: 48.055 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV027230.D
 Acq: 05 Aug 2022 17:22

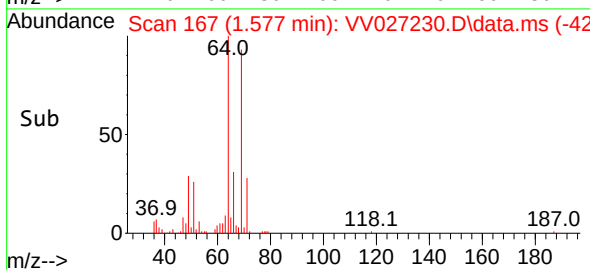
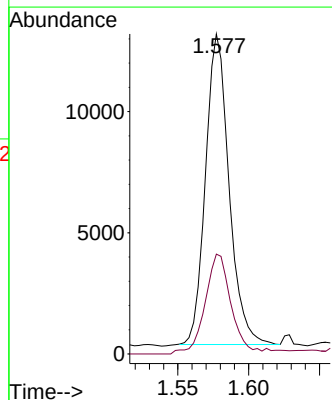
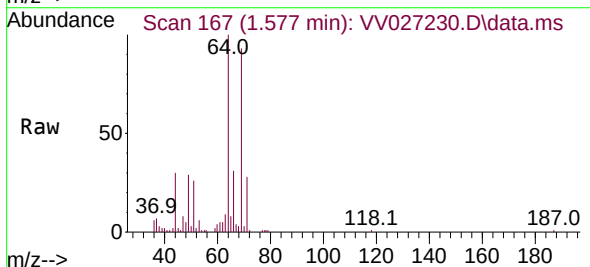
Instrument :
 MSVOA_V
 ClientSampleId :

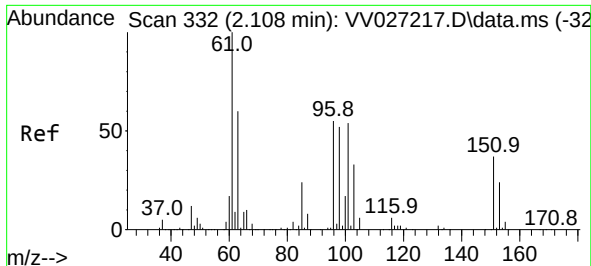
Tgt Ion: 62 Resp: 156337
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.2 43.2



#8
 Chloroethane
 Concen: 8.157 ug/L
 RT: 1.577 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VV027230.D
 Acq: 05 Aug 2022 17:22

Tgt Ion: 64 Resp: 14784
 Ion Ratio Lower Upper
 64 100
 66 31.2 22.4 41.6

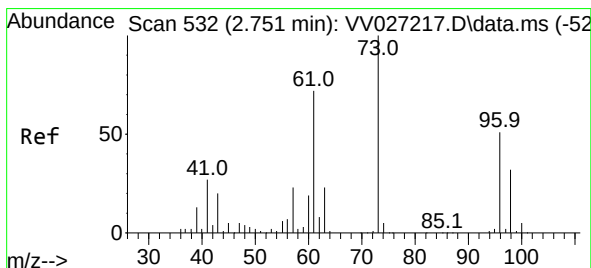
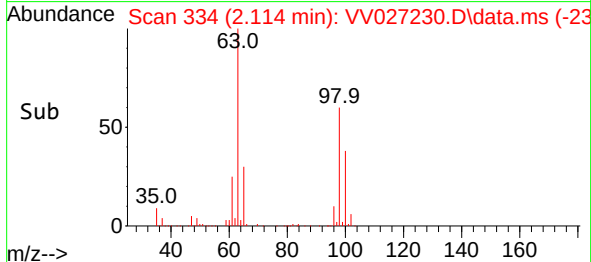
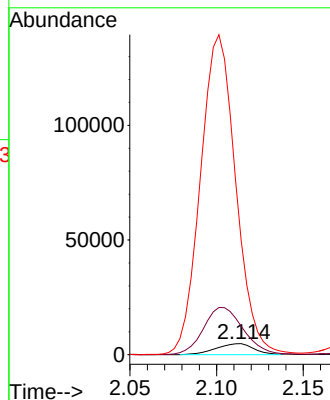
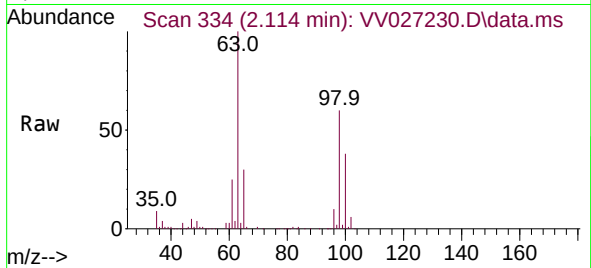




#12
1,1-Dichloroethene
Concen: 3.311 ug/L
RT: 2.114 min Scan# 311
Delta R.T. 0.006 min
Lab File: VV027230.D
Acq: 05 Aug 2022 17:22

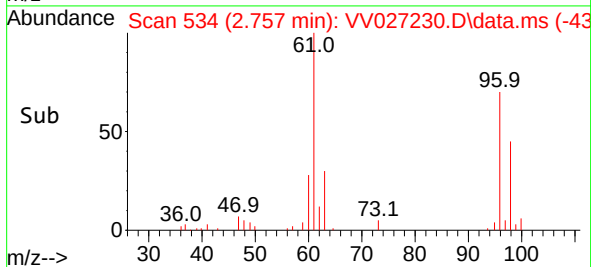
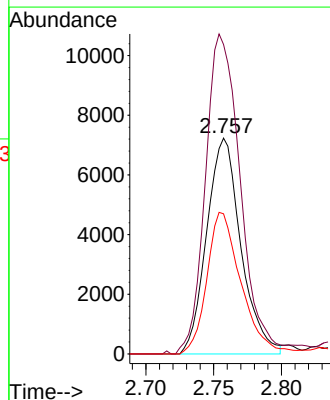
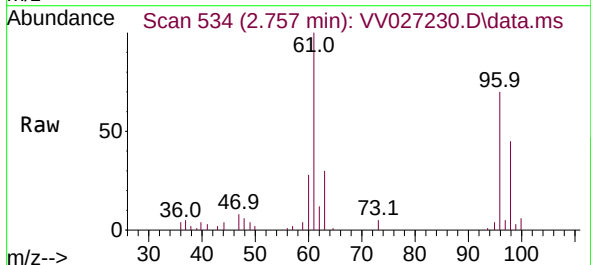
Instrument :
MSVOA_V
ClientSampleId :

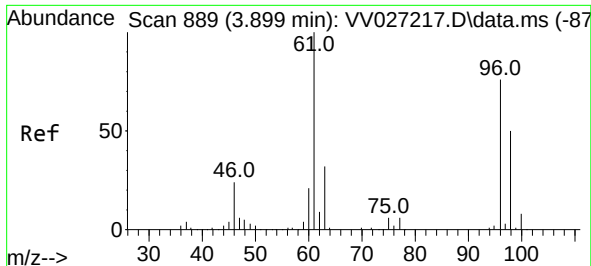
Tgt Ion: 96 Resp: 7372
Ion Ratio Lower Upper
96 100
61 258.3 114.3 212.3#
63 1039.2 93.4 173.4#



#17
trans-1,2-Dichloroethene
Concen: 5.158 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV027230.D
Acq: 05 Aug 2022 17:22

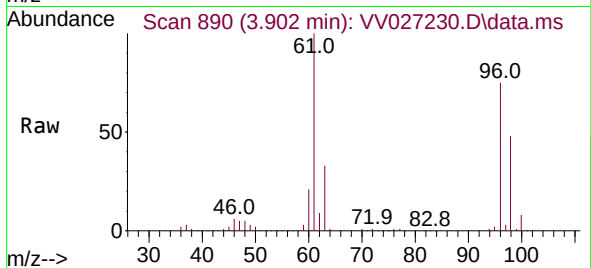
Tgt Ion: 96 Resp: 12710
Ion Ratio Lower Upper
96 100
61 143.4 89.2 165.6
98 65.0 44.6 82.8



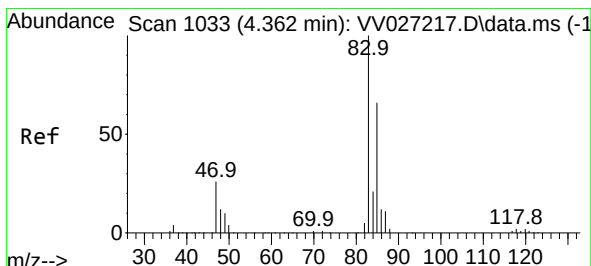
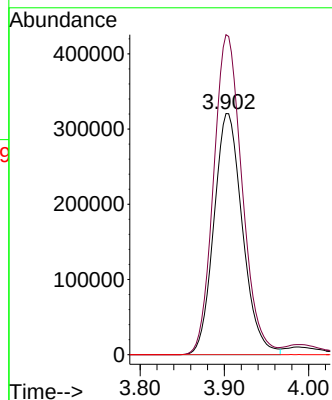
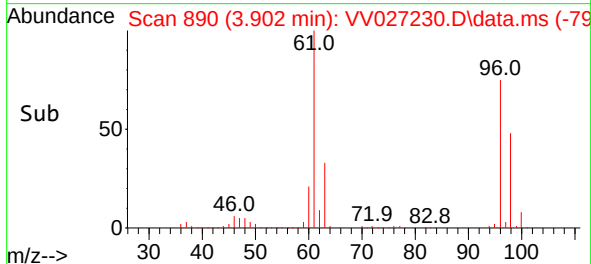


#20
 cis-1,2-Dichloroethene
 Concen: 295.108 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV027230.D
 Acq: 05 Aug 2022 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

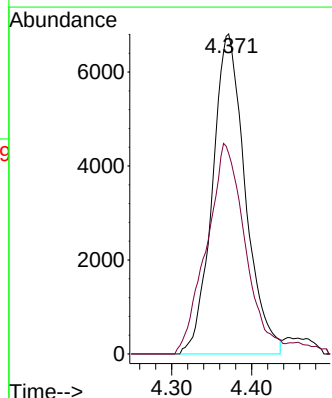
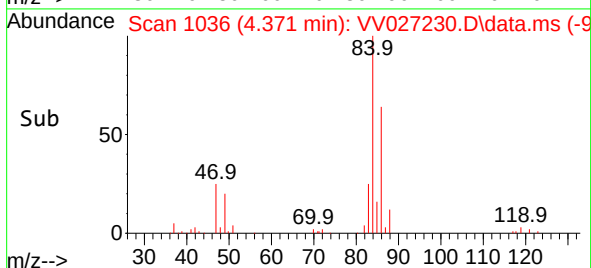
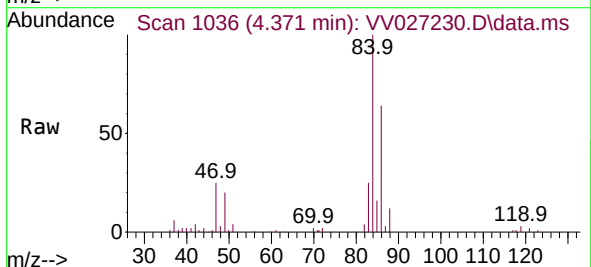


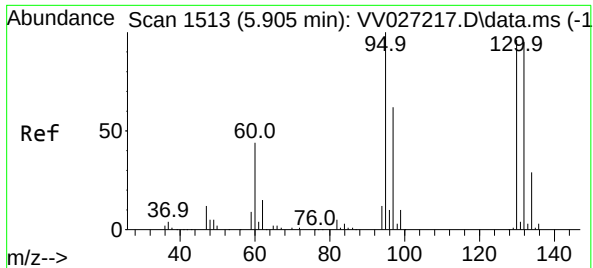
Tgt Ion: 96 Resp: 755372
 Ion Ratio Lower Upper
 96 100
 61 132.7 81.8 151.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 3.894 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.010 min
 Lab File: VV027230.D
 Acq: 05 Aug 2022 17:22

Tgt Ion: 83 Resp: 19465
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.4 84.4

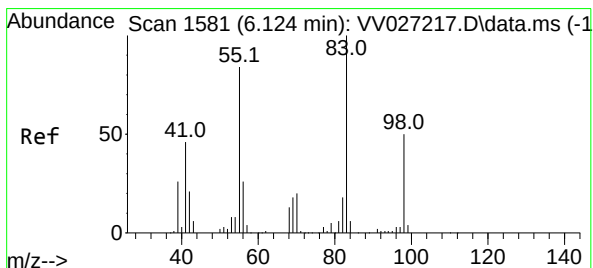
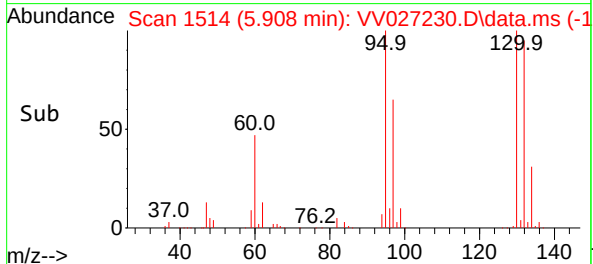
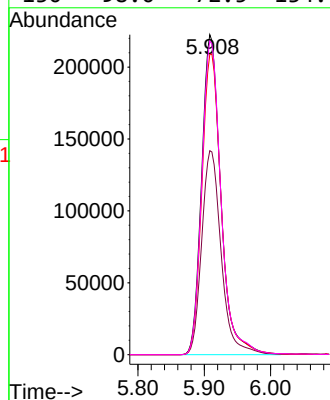
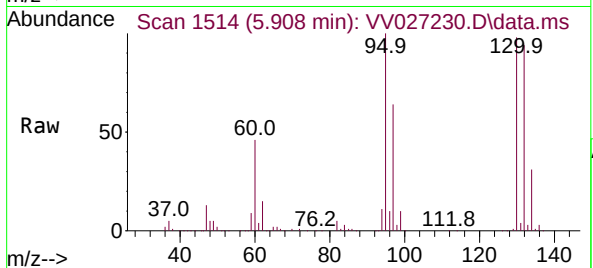




#34
Trichloroethene
Concen: 169.179 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027230.D
Acq: 05 Aug 2022 17:22

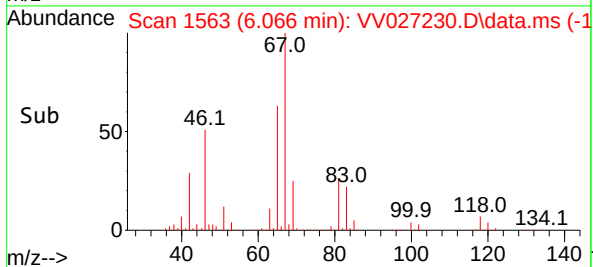
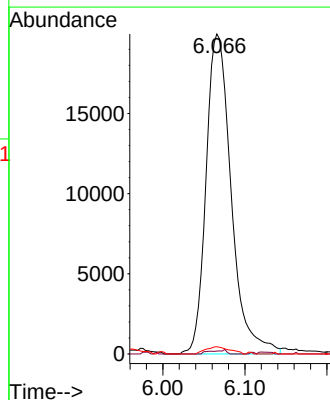
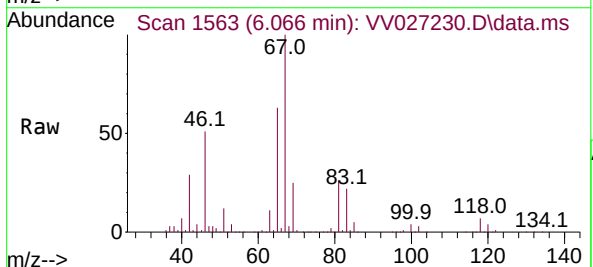
Instrument :
MSVOA_V
ClientSampleId :

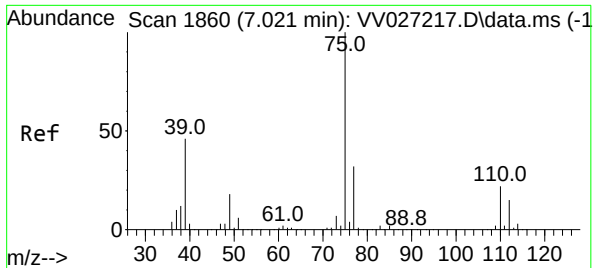
Tgt Ion: 95 Resp: 447901
Ion Ratio Lower Upper
95 100
97 63.8 45.9 85.3
132 93.8 69.8 129.6
130 98.0 72.5 134.7



#35
Methylcyclohexane
Concen: 10.932 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV027230.D
Acq: 05 Aug 2022 17:22

Tgt Ion: 83 Resp: 42560
Ion Ratio Lower Upper
83 100
55 0.2 55.5 83.3#
98 2.1 39.0 58.4#





#39

cis-1,3-Dichloropropene

Concen: 1.176 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV027230.D

Acq: 05 Aug 2022 17:22

Instrument :

MSVOA_V

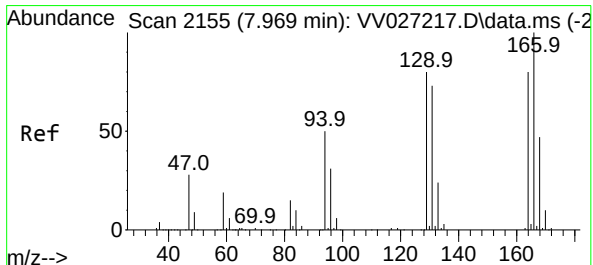
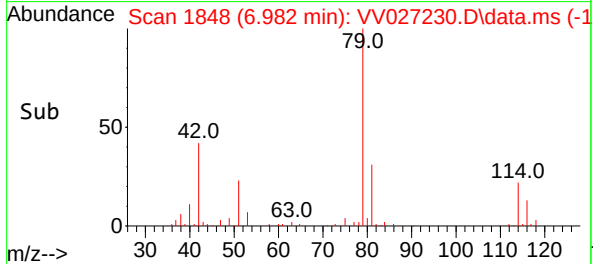
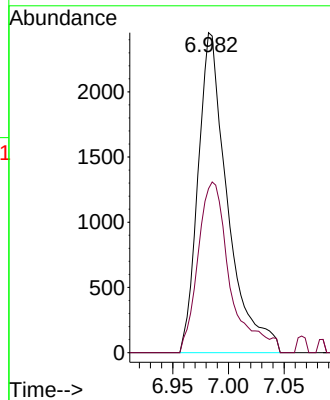
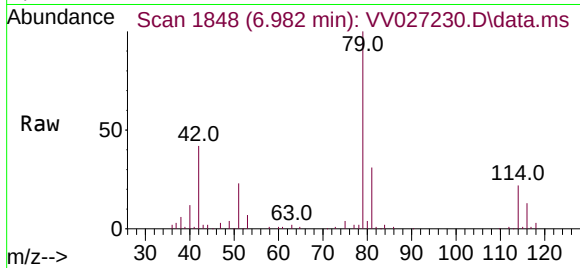
ClientSampleId :

Tgt Ion: 75 Resp: 4511

Ion Ratio Lower Upper

75 100

77 51.3 22.5 41.7#



#46

Tetrachloroethene

Concen: 289.288 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV027230.D

Acq: 05 Aug 2022 17:22

Tgt Ion:164 Resp: 560569

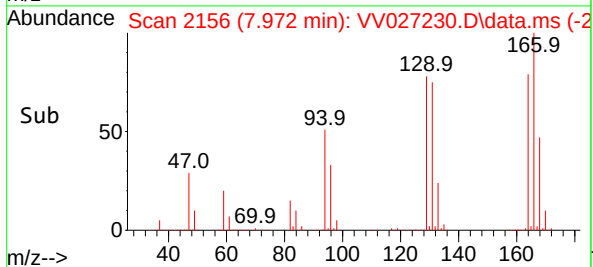
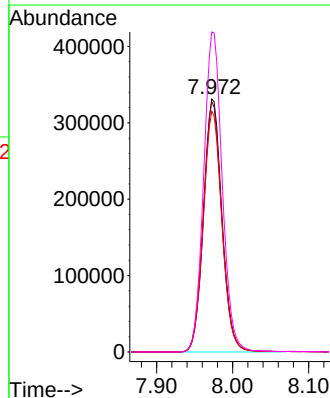
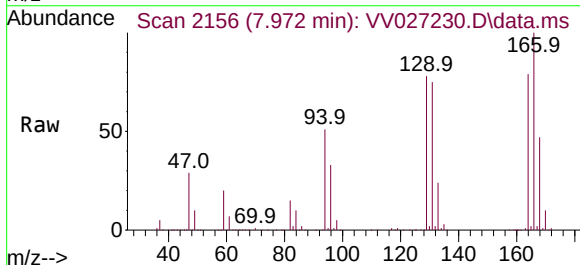
Ion Ratio Lower Upper

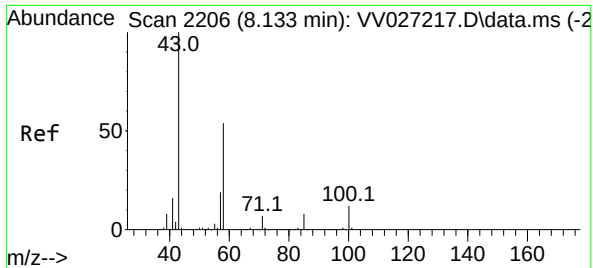
164 100

129 99.0 67.5 125.4

131 95.2 64.3 119.3

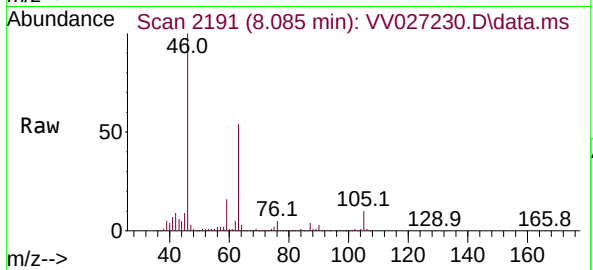
166 126.6 88.9 165.1





#48
 2-Hexanone
 Concen: 6.064 ug/L
 RT: 8.085 min Scan# 21
 Delta R.T. -0.048 min
 Lab File: VV027230.D
 Acq: 05 Aug 2022 17:22

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 43	Resp: 19958
Ion Ratio	Lower Upper
43	100
58	36.4 50.8 76.2#
57	32.5 17.1 25.7#
100	2.3 12.3 18.5#

